Symantec™ Event Relay for IBM Tivoli Risk Manager Integration Guide

Symantec™ Event Relay for IBM Tivoli Risk Manager Integration Guide

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Chapter 1

Introducing Symantec Event Relay

This chapter includes the following topics:

- Who should read this guide
- What you should know
- About the Symantec Event Relay for IBM Tivoli Risk Manager
- How the Symantec Event Relay processes events

Who should read this guide

This guide is intended for Tivoli administrators and SESA administrators who will install, configure, and use the Symantec Event Relay for IBM Tivoli Risk Manager.

What you should know

You should have prior knowledge of Tivoli Management Framework, Tivoli Enterprise Console (T/EC), and Tivoli Risk Manager. You should also be familiar with basic SESA operation and event logging.

For more information, see the following documentation:

- *Symantec Enterprise Security Architecture Installation Guide*
- *Symantec Enterprise Security Architecture Administrator's Guide*

About the Symantec Event Relay for IBM Tivoli Risk Manager

SESA is an event management system that collects data from events generated by security products. SESA categorizes events into classes such as antivirus, content filtering, network security, and systems management. The range of events varies depending on the security products.

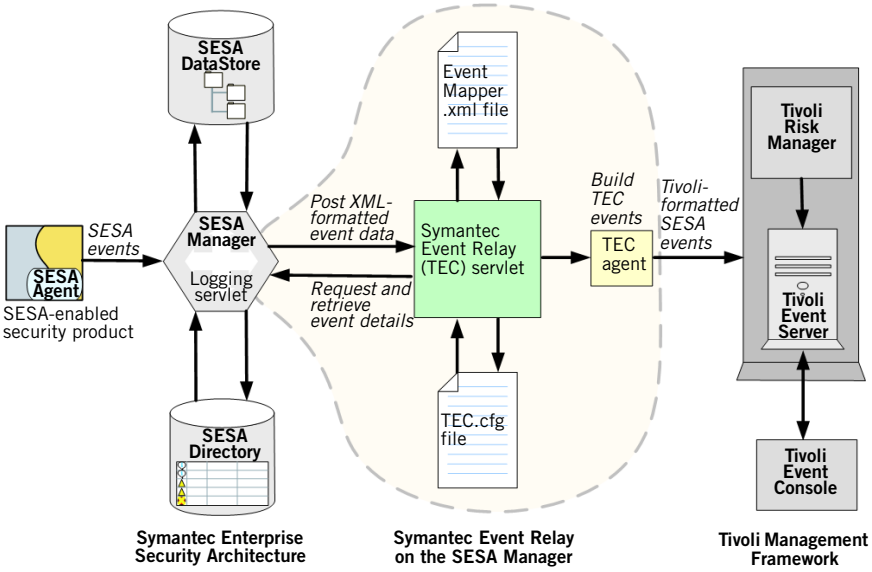
The events conform to an extensible family of event classes and types, which are defined by sets of XML schema. Once collected, event information is stored in the SESA DataStore for access by SESA management functions through the SESA Console.

The Symantec Event Relay for IBM Tivoli Risk Manager is an event adapter that lets the Tivoli Enterprise Console and Tivoli Risk Manager manage events that originate from SESA sources. The Symantec Event Relay captures events that are sent to SESA, maps these events to the proper format for the Tivoli environment, and forwards the events to the Tivoli Risk Manager for access through Tivoli Event Consoles.

How the Symantec Event Relay processes events

Figure 1-1 shows the main components of the Symantec Event Relay and indicates the flow of event data through those components.

Figure 1-1 Symantec Event Relay for IBM Tivoli Risk Manager



The data flow begins with event data from a SESA-enabled security product. The SESA Agent that is installed on the security product computer sends event data to the SESA logging servlet on the SESA Manager computer. Once the event data is validated and saved to the SESA DataStore, the SESA logging servlet sends the data to the Symantec Event Relay (TEC) servlet. The TEC servlet is an executable Java module that runs on the SESA Manager computer. At installation, the TEC servlet is configured to locate the Tivoli Event Server by IP address and port number.

The TEC servlet does the following:

- Receives the posted XML event data from the SESA logging servlet.
- Optionally, filters SESA event data.
- Maps the XML data to the Tivoli event class structure. This mapping is necessary for SESA-posted data to be converted to T/EC formatted data. The EventMapper.xml file contains the instructions for mapping SESA events to Tivoli events.

For information on how this file is organized and how to make changes, see "Event Mapper file format specification" on page 27.

- Requests detailed information about an event from the SESA database, if necessary.
- Formats the event data.
- Forwards the event data to Tivoli Risk Manager, which contains the event class structures and event definitions that Tivoli needs to identify incoming event data from the Symantec Event Relay.

Tivoli SecureWay Risk Manager runs on the Tivoli Event Console server that is specified in the TEC.cfg file.

Chapter 2

Installing the Symantec Event Relay

This chapter includes the following topics:

- Installation overview
- SESA component installation
- Tivoli Event Server installation
- Troubleshooting the Symantec Event Relay after installation
- Uninstalling the Symantec Event Relay for IBM Tivoli Risk Manager

Installation overview

You must perform the following two separate sets of procedures to install the Symantec Event Relay:

- SESA component installation: Install and configure the Symantec Event Relay components and TEC servlet on the SESA Manager computer.
- Tivoli Event Server installation: Install and configure the Symantec Event Relay event class definition files on the Tivoli Event Server. Configure the Tivoli Event Console.

You can perform either sequence first.

The Sun Java Development Kit (JDK), which is already installed as part of SESA installation, runs the Symantec Event Relay installation on the SESA Manager computer.

For the Tivoli Event Server, event class definition files, or .baroc files, define the types and structures of the events that the Tivoli Event Server can receive. The CreateSesaRB.sh script adds an event class definition file for SESA events (SESA.baroc), and recompiles and reloads the rule base. This lets the Tivoli Event Server recognize and display events that originate from SESA-managed applications.

SESA component installation

Before installing the Symantec Event Relay, ensure that the SESA Manager, SESA Directory, SESA DataStore, and the Tivoli Event Server are installed and running. This installation assumes that all SESA components are operating properly.

Installing and configuring the Symantec Event Relay on the SESA Manager involves performing the following procedures:

- Installing the Symantec Event Relay softwarei
- Configuring the TEC servlet

If necessary, you can perform the following optional procedures:

- Filtering events sent to Tivoli
- Changing the default event mapping

Installing the Symantec Event Relay software

The Symantec Event Relay is installed on the computer that hosts the SESA Manager.

To install the Symantec Event Relay software

1. On the computer on which the SESA Manager is installed, from Windows Explorer, navigate to the folder that contains the Symantec Event Relay Setup.jar file (the SESA Integration Wizard).

   Setup.jar resides in the \install\sesa folder.

2. Double-click **Setup.jar** to begin the SESA Integration Wizard.

3. The SESA Integration Wizard prompts you for specific information.

SESA Domain Administrator Name	The SESA Directory Domain Administrator account name. This account is created either during SESA installation or after installation from within SESA.
SESA Domain Administrator Password	The administrator password.
IP address or hostname of the SESA Directory	Use one of the following: ■ The IP address of the SESA Directory. Use the IP address if SESA is installed with the default, anonymous self-signed SSL certificate. ■ The hostname of the SESA Directory. Use the hostname if SESA is upgraded to use an authenticated, self-signed SSL certificate or Certificate Authority-signed SSL certificate.
SSL port	The SSL port for the SESA Directory (by default, 636).

4. When the SESA Integration Wizard completes, click **Finish**.

Configuring the TEC servlet

TEC servlet operation is governed by the TEC servlet configuration file (TEC.cfg), which resides on the SESA Manager computer.

Performing the following tasks allows you to set the configuration in the TEC.cfg file and confirm operation:

- Configuring the TEC.cfg file
- Verifying TEC servlet operation

Configuring the TEC.cfg file

The TEC.cfg configuration file is a text file that must be edited in a text editor (for example, Notepad).

To configure the TEC.cfg file

1. On the computer on which the SESA Manager is installed, from a command prompt, navigate to the TECServlet folder.
   The following is the default location:
   \Program Files\IBM HTTP Server\Tomcat\Webapps\TECServlet
2. In the TECServlet folder, open the TEC.cfg file in a text editor.
3. Modify the TEC.cfg file so that it contains the required information.

ServerLocation	The T/EC server name. For example: ServerLocation=tec.mycompany.com You can type the server name or IP address.
ServerPort	The server port. The default port for Windows NT/2000 T/EC servers is 5529. The default for UNIX T/EC servers is 0. For example: ServerPort=5529 If your T/EC server is listening on another port, type the appropriate port.
BufEvtPath	The location for the temporary buffer cache. In the following example, cache is the name of the cache file: BufEvtPath=c:/temp/cache Create the directory for the cache file if it doesn't already exist. Use forward slashes to specify the path in the TEC.cfg file. The BufEvtPath keyword sets the filename used for event buffering in case the Symantec Event Relay is unable to connect to the Tivoli Enterprise Console. Set the path to a location that has enough disk space available for the buffered events. Note that only non-filtered events are buffered.

Lines in the TEC.cfg file that begin with the number sign (#) are comments.

4 Save the modified TEC.cfg file.
The new settings are loaded automatically.

Note: Additional configuration settings, which may be required in your environment, can be specified in the TEC.cfg file. For a complete listing and description of the available configuration keywords, see *Tivoli Enterprise Console Adapters Guide*.

Verifying TEC servlet operation

After modifications are made to the TEC.cfg file, verify that the TEC servlet is operating.

To verify TEC servlet operation

1 Open Internet Explorer and type the following case-sensitive URL:
https://localhost/TECServlet/servlet/TECServlet
Use localhost if you are on the same computer as the SESA Manager, or replace localhost with the IP address or host name of the SESA Manager.

2 When you are prompted, type the SESA Domain Administrator logon and password information.
Internet Explorer displays the TECServlet information page.

Filtering events sent to Tivoli

Event filters from SESA to Tivoli are based on attribute=value pairs and regular expression matching. To filter events that SESA sends to Tivoli, use the Filter, FilterCache, and FilterMode keywords in the TEC.cfg file.

For example, to prevent SESA from sending generic events to Tivoli, use the following keywords:

- FilterMode=OUT
- Filter:Class=SESA_Event_Generic

For more information, see the "Configuration File, Keywords" section of the *Tivoli Enterprise Console Adapters Guide*.

Changing the default event mapping

Event mappings between SESA events and Tivoli events are specified in the Event Mapper XML file. Generally, you do not have to change the mappings.

By default, the EventMapper.xml file is located in the TECServlet installation folder:

\Program Files\IBM HTTP Server\Tomcat\Webapps\TECServlet

For information on how this file is organized and how to make changes, see "Event Mapper file format specification" on page 27.

To review the mappings that are included with the default installation of the Symantec Event Relay, see "Default event mappings" on page 35.

Tivoli Event Server installation

For the Tivoli Event Server to receive SESA event information, you must run the script that recompiles the Tivoli event class definition files on the Tivoli Event Server to include information on SESA events.

Before installing the Symantec Event Relay, ensure that the following Tivoli components are installed and operating properly:

- Tivoli Management Framework 3.7.1
- Tivoli Enterprise Console 3.7.1 (Server, UI Server, and Console)
- Tivoli SecureWay Risk Manager 3.8

Performing the following procedures allows you to install the SESA event class definition file (SESA.baroc) on the Tivoli Event Server:

- Configuring the T/EC server rule base for SESA events
- Configuring the T/EC console

Configuring the T/EC server rule base for SESA events

SESA-generated events are described for the T/EC rule base in the SESA.baroc file. The CreateSesaRB.sh script automatically adds and compiles the event classes from the SESA.baroc file.

To configure the T/EC server rule base for SESA events

1. On the T/EC server, open a command prompt or shell with the Tivoli paths and Tivoli environment set.
2. Insert the Symantec Event Relay CD into the CD-ROM drive.
3. Change to the install\riskmgr folder.
4. Type the following command:

   sh CreateSesaRB.sh

   Upon successful completion of the CreateSesaRB.sh script, the Tivoli rule base accepts SESA events.

Configuring the T/EC console

The Symantec Event Relay includes a configuration file that is imported into the T/EC console to define a Tivoli event group for SESA events.

Performing the following procedures allows you to configure and use the T/EC console:

- Creating a Tivoli event group for SESA events
- Assigning and using the SESA event group
- Viewing SESA events

Creating a Tivoli event group for SESA events

The sesa_event_group.cfg file contains information to create a Tivoli event group for SESA events.

To create a Tivoli event group for SESA events

1. Open and log on to the T/EC console.
2. In the Tivoli Enterprise Console, on the Windows menu, click **Configuration.**
3. On the File menu, click **Import**.
4. Click **Browse**, then navigate to the sesa_event_group.cfg file.
   The sesa_event_group.cfg file is located in the install\riskmgr folder.
5. Select **sesa_event_group.cfg**, then click **Select**.
6. In the Event Groups panel, click **SESA Relay**, then click **OK**.
7. When prompted that the T/EC console must be shut down and restarted for the changes to take place, click **OK**.
8. Restart the T/EC console.

Assigning and using the SESA event group

After the Tivoli event group for SESA events is created, it must be assigned to a console before it can be used.

To assign and use the SESA event group

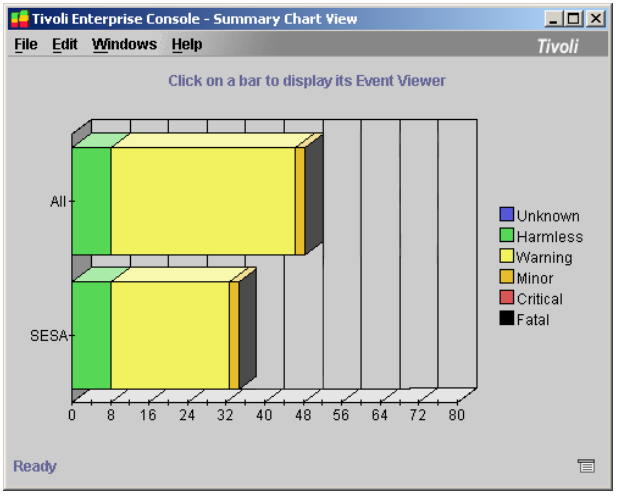
1. Open and log on to the T/EC console.
2. In the Tivoli Enterprise Console, on the Windows menu, click **Configuration.**
3. In the left pane, expand **Consoles**, then select the desired console.
4. Open the selected console, right-click **Event Groups**, then click **Assign Event Groups**.
5. Click **Assign Groups**, then click **SESA Relay** from the Available Event Groups list.
6. In the Event Group Roles list on the right, assign the SESA Relay privileges, then click **OK.**
   The operators for that console can now see SESA in their summary chart view and event viewer.
7. Click **OK** to close the Console Properties dialog box.

Viewing SESA events

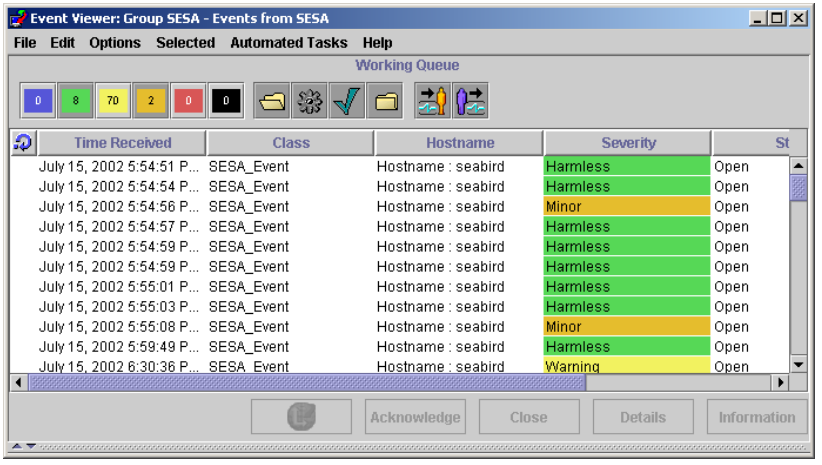
After the event group is created and assigned, operators for the console can view SESA events.

To view SESA events

1 In the T/EC console, on the Windows menu, click **Summary Chart View**.



2 In the Summary Chart View, click a bar to display its event viewer.


Event Viewer: Group SESA - Events from SESA
File Edit Options Selected Automated Tasks Help
Working Queue
0 8 70 2 0 0
Time Received Class Hostname Severity St
July 15, 2002 5:54:51 P... SESA_Event Hostname : seabird Harmless Open
July 15, 2002 5:54:54 P... SESA_Event Hostname : seabird Harmless Open
July 15, 2002 5:54:56 P... SESA_Event Hostname : seabird Minor Open
July 15, 2002 5:54:57 P... SESA_Event Hostname : seabird Harmless Open
July 15, 2002 5:54:59 P... SESA_Event Hostname : seabird Harmless Open
July 15, 2002 5:54:59 P... SESA_Event Hostname : seabird Harmless Open
July 15, 2002 5:55:01 P... SESA_Event Hostname : seabird Harmless Open
July 15, 2002 5:55:03 P... SESA_Event Hostname : seabird Harmless Open
July 15, 2002 5:55:08 P... SESA_Event Hostname : seabird Minor Open
July 15, 2002 5:59:49 P... SESA_Event Hostname : seabird Harmless Open
July 15, 2002 6:30:36 P... SESA_Event Hostname : seabird Warning Open
Acknowledge
Close
Details
Information

Troubleshooting the Symantec Event Relay after installation

If the Symantec Event Relay installation fails, performing the following procedures allows you to confirm operation:

- Verifying SESA operation
- Examining SESA log files
- Modifying TEC servlet properties

Verifying SESA operation

You can verify SESA operation by confirming that the proper services and the Web server are running.

To verify SESA operation

1. On the computer running the SESA Manager, open the Services Control Panel and verify that the following services are running:
   - IBM HTTP Server
   - SESA AgentStart Service
   - Apache Tomcat
2. In Internet Explorer, type the following URL and log on using SESA Domain Administrator credentials:

   https://localhost/sesa/servlet/EventLogger

   Make sure that the SESA Event Logger summary is displayed in Internet Explorer. If not, SESA may not be properly configured.

Examining SESA log files

If all of the necessary services are started (including SES AgentStart) and you can see the SESA Event Logger, but the Symantec Event Relay still does not work, check the SESA log files for the Event Logger servlet.

To examine SESA log files

1. Open the SESA log files from the following locations:
   ...\SESA\<computer name>\Events\logs
   ...\SESA\<computer name>\TECServlet\logs
2. Check for the return code value coming back from the Tivoli Risk Manager server.
   The return code should be 0, with the following message:
   TEC_TargetTivoli : Event sent to target system, return code = 0. A return code of 0 indicates success.
   If the return code is non-zero, there may be a problem communicating with the Tivoli Risk Manager server.

   Note: Success messages are reported only if the Debug setting is ON. If the the Debug setting is OFF, only non-zero failure messages are reported. To set Debug ON or OFF, see "Modifying TEC servlet properties" on page 23.
3. Verify that the SESA.baroc file has been compiled and loaded by the CreateSesaRB.sh script, and that the server is running.

Modifying TEC servlet properties

To resolve some issues, you may need to modify the TEC servlet properties.

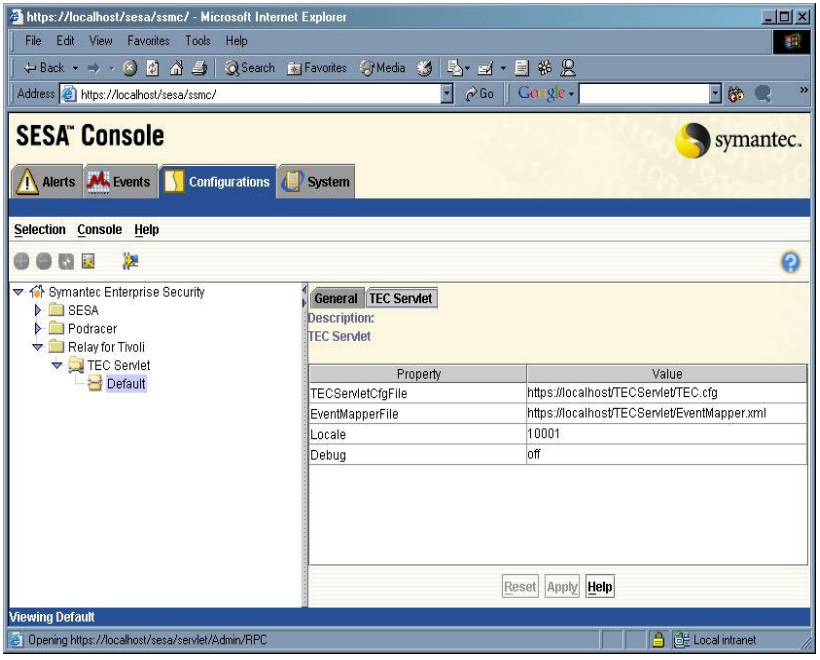
Modification of the SESA Directory TEC servlet configuration properties is optional. The defaults listed in the following table should work without modification:

Property	Description
URL for the TEC.cfg file	http://localhost/TECServlet/TEC.cfg
URL for EventMapper.xml	http://localhost/TECServlet/EventMapper.xml
Debug setting	OFF (default): Normal operation. Only error conditions are logged. ON: Extensive debug logging is performed. By default, the log is written to the following location: \SESA\<SESA Manager>\TECServlet\logs\<guid>\<guid>.log

Property	Description
Locale setting	■ 10001 (English — default) ■ 10002 (French) ■ 10003 (Italian) ■ 10004 (German) ■ 10005 (Spanish) ■ 10006 (Portuguese) ■ 10007 (Dutch) ■ 10008 (Japanese) ■ 10009 (Simplified Chinese) ■ 10010 (Traditional Chinese) ■ 10011 (Korean)

To modify TEC servlet properties

1. In the SESA Console, on the Configurations tab, in the left pane, navigate to **Symantec Enterprise Security > Relay for Tivoli> TEC Servlet > Default.**
2. In the right pane, on the TEC Servlet tab, change the settings as necessary.



Uninstalling the Symantec Event Relay for IBM Tivoli Risk Manager

Removing the Symantec Event Relay involves performing the following two tasks:

- Uninstalling the Symantec Event Relay from the SESA Manager
- Uninstalling Symantec Event Relay files from Tivoli

Because the files and configurations that are installed on the Tivoli Risk Manager and T/EC server are inactive unless they receive SESA events, it is not critical to uninstall these components.

Uninstalling the Symantec Event Relay from the SESA Manager

The SESA Integration Wizard that installs the Symantec Event Relay is also used to uninstall it.

To uninstall the Symantec Event Relay from the SESA Manager

1. On the computer running the SESA Manager, insert the Symantec Event Relay for IBM Tivoli Risk Manager CD into the CD-ROM drive.
2. At a command prompt, change to the install\sesa folder.
3. Type the following command to launch the SESA Integration Wizard:
   java –jar setup.jar –uninstall
4. Follow the on-screen instructions.
5. On the panel that requests SESA Domain Administrator information, provide the same information that was used when SESA was originally installed.

SESA Domain Administrator Name	The SESA Directory Domain Administrator account name. This account is created either during SESA installation or after installation from within SESA.
SESA Domain Administrator Password	The administrator password.

IP address or hostname of the SESA Directory	Use one of the following: ■ The IP address of the SESA Directory. Use the IP address if SESA is installed with the default, anonymous self-signed SSL certificate. ■ The hostname of the SESA Directory. Use the hostname if SESA is upgraded to use an authenticated, self-signed SSL certificate or Certificate Authority-signed SSL certificate.
SSL port	The SSL port for the SESA Directory (by default, 636).

The SESA Integration Wizard performs the uninstallation and removal of the Symantec Event Relay for IBM Tivoli Risk Manager. The TECServlet folder is removed if it is empty.

Uninstalling Symantec Event Relay files from Tivoli

You can uninstall the components on the Tivoli servers if necessary.

To uninstall Symantec Event Relay from Risk Manager and the T/EC server

1. From the T/EC console configuration, delete the SESA event group.
2. Remove the SESA-specific event classes (SESA.baroc) from the current rule base, or modify the active rule base to not include SESA.baroc.
   See the Tivoli user documentation for more information.

Appendix A

Event Mapper file format specification

This section contains the following topics:

- Event blocks
- Event mapping criteria
- Default event block
- Event Mapper file modifications
- Tag reference

The Symantec Event Relay uses an Event Mapper file that consists of a list of event blocks. Each event block defines a set of criteria for mapping a particular SESA event to an event for the destination environment.

Note: The EventMapper.xml file must be saved in UTF-8 format.

Event blocks

The Event Mapper file should contain at least one event block. Each event block has the following general structure:

```
<EVENT>
    <TARGETCLASS NAME="" />
    <CRITERIA>
        <CLASS NAME=""/>
        <PROPERTY NAME="" VALUE=""/>
            .
            .
            .
    </CRITERIA>
    <LOCALE NAME="">
        <SLOT TARGET_NAME="">
            <APPEND STRING=""/>
            <APPEND SOURCE_NAME=""/>
            <APPEND SOURCE_NAME=""  LOCALE=""/>
                .
                .
                .
        </SLOT>
            .
            .
            .
    </LOCALE>
</EVENT>
```

Event mapping criteria

Each event block can, optionally, specify mapping criteria that identify the conditions under which the Symantec Event Relay should use the event block for mapping. These mapping criteria are stored in a criteria block within the event block. The class name and property values for the source SESA event must match the entries specified in this criteria block in order for the event to be mapped to the target event specified in the event block. If the source event meets the criteria defined for multiple event blocks, the first block found will be used to map the event.

The following example is an event block that contains mapping criteria:

```
<EVENT>
    <TARGETCLASS NAME="RMV_VirusFound" />
    <CRITERIA>
        <CLASS NAME="symc_virus_violation"/>
        <PROPERTY NAME="machine" VALUE="stellars"/>
        <PROPERTY NAME="event_id" VALUE="301"/>
    </CRITERIA>
    <LOCALE NAME="101">
        <SLOT TARGET_NAME="msg">
            <APPEND STRING="Virus found : "/>
            <APPEND SOURCE_NAME="virus_name"/>
        </SLOT>
        .
        .
        .
    </LOCALE>
</EVENT>
```

According to the criteria block, if the source event has a class name of symc_virus_violation, a machine property with the value “stellars,” and an event_id property with the value “301,” the event will be mapped to the specified target class of RMV_VirusFound.

The locale is read from the property file for the TEC servlet. The locale block contains a sequence of slot blocks that are used to build the strings to be associated with the target events.

The following example is a formatted string that is sent to the msg slot for this event block:

Virus found: MK4 killer in file myFile.doc on Nov 30, 2001, 3:30:00 PST.
Action: Repaired.
Event Type: Application start.
Event GUID: cf6891b054f7f53e0ea55ea84fe0002

Default event block

An event block that does not contain mapping criteria is used as a default event mapping; that is, the mapping for this event block is used when the source event does not meet the criteria specified for the other event blocks in the Event Mapper file.

The Event Mapper file should provide a default mapping. The default event mapping must be at the end of the file.

The following is an example of a default event block:

```
<EVENT>
    <TARGETCLASS NAME="SESA_Event" />
    <LOCALE NAME="101">
        <SLOT TARGET_NAME="msg">
            <APPEND STRING="An event occurred on "/>
            <APPEND SOURCE_NAME="event_dt"/>
            <APPEND STRING=".  Severity : "/>
            <APPEND SOURCE_NAME="severity_id"  LOCALE="101"/>
            <APPEND STRING=".  Hostname : "/>
            <APPEND SOURCE_NAME="machine" />
            <APPEND STRING=".  Host IP Addr : "/>
            <APPEND SOURCE_NAME="origin"/>
        </SLOT>
        .
        .
        .
    </LOCALE>
</EVENT>
```

Event Mapper file modifications

Because the Event Mapper file is text-based, you can add new event blocks or delete or modify existing event blocks, if desired.The Event Mapper file can be modified using a text editor, such as Notepad, that supports writing files in UTF-8 format.

If the format of the Event Mapper file is invalid, the TEC servlet ignores the contents of the file and will not map incoming SESA events. When the file is parsed, the TEC servlet indicates the event block number and information about the problematic tag. Errors are noted in the TECServlet log files on the SESA server.

See "Examining SESA log files" on page 22.

Tag reference

Note the following format restrictions that govern the EventMapper.xml file:

- The header line must exist only once.
- The opening <EventList> tag must be on a line by itself, immediately following the header line.
- The opening <Event> tag must be on a line by itself.
- All closing tags should exist on lines by themselves.
- The following blocks must exist on one line with the shortened closing tag syntax, as shown in the following example:
  <TARGETCLASS NAME=" " />
  <CLASS NAME=" " />
  <PROPERTY NAME=" " VALUE=" " />
  <APPEND STRING=" " />
  <APPEND SOURCE_NAME=" " />
  In the <CRITERIA> block, a <CLASS> block must be placed before any <PROPERTY> blocks.

Tag	Description
<EVENT></EVENT>	Defines an event block. The Event Mapper file should contain at least one event block, and should contain a default event mapping.

Tag	Description
`<TARGETCLASS NAME=" "/>`	Designates the target (destination) class name to which events in the source class will be mapped. There can be only one of these blocks per event block.
`<CRITERIA></CRITERIA>`	Defines the criteria block for the current event. The criteria block is used to determine whether this event block will be used for mapping a given source event. This block is optional, but if present, there can be no more than one criteria block in a given event block. If there are no criteria blocks for this event, this event is the default map event, to be used when none of the other event blocks has criteria that match the source event.
`<CLASS NAME=" "/>`	Defines an event class name to be matched against the source event. There must be one and only one of these blocks per criteria block.
`<PROPERTY NAME=" " VALUE=" "/>`	Defines a property name and value pair to be matched against the source event. This block is optional, and there can be up to 10 property blocks per criteria block.
`<LOCALE NAME=" "></LOCALE>`	Defines the mapping for a particular locale. For example, the name value might be 10001 (English). At least one block must exist. There can be up to 10 of these blocks.
`<SLOT TARGET_NAME=" ">`	Defines the T/EC slot to which the formatted information will be sent. The formatted information is a text string that is built by following the instructions in the append blocks. Each slot must have at least one append block. There can be up to 50 slot blocks per locale block. There can be up to 100 append blocks per slot block.
`<APPEND STRING=" "/>`	Specifies a string to be concatenated to the current message string.
`<APPEND SOURCE_NAME=" "/>`	Specifies a property name for the source event. The value of this property is concatenated to the current message string.

Tag	Description
`<APPEND SOURCE_NAME="" LOCALE="" />`	Specifies a property name for the source event. The value of this property is an identifier that is used for a database query according to the given locale. The value retrieved from the database will be concatenated to the current message string.

Appendix B

Default event mappings

This section describes the event mappings that are defined by the default EventMapper.xml file. For details on the syntax and semantics of this file, see "Event Mapper file format specification" on page 27.

Note: For the Tivoli Event Console to receive these events correctly, the EventMapper.xml target event schema must match that of the .baroc files on the T/EC server.

When specifying <APPEND SOURCE_NAME=" " /> blocks, several fields receive special translation when being processed by the Symantec Event Relay.

Field	Description
event_dt_fmt	Is translated into a human-readable representation of the Event Date based on the Locale setting for the Symantec Event Relay
event_dt_raw	Is translated into a hex representation of the Event Date in seconds since EPOCH
sensor_machine	Receives the machine name of the computer running the Symantec Event Relay (the SESA Manager)
sensor_machine_ip	Receives the IP address of the computer running the Symantec Event Relay (the SESA Manager)
severity	Maps the SESA severity number into an appropriate Tivoli severity number

Some Tivoli event slots are set by the Risk Manager rules when the event is received. The names and descriptions of these fields can be found in the *Tivoli Risk Manager Developer's Guide*. These fields should not be specified in the EventMapper.xml or SESA.baroc file because they will be overwritten by Tivoli.

SESA_Unscannable_Incident

Event criteria

SESA Class Name = "symc_data_incident"

SESA Property Name : event_id = "112056"

Default destination event fields (slots)

Target name	Default setting
msg	<**event_id (translated)**> found in : '<**data_name**>' on <**event_dt_fmt**>. Unscannable reason : '<**data_rule_reason**>'.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**> : <**event_id (translated)**>
rm_Object	Data Name : '<**data_name**>' Part name : '<**data_part_name**>'
sesa_RuleDescription	<**data_rule_descr**>
sesa_RuleReason	<**data_rule_reason**>
sesa_ProductName	<**product_id (translated)**> : <**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

SESA_Content_Incident

Event criteria

SESA Class Name = "symc_data_incident"

Default destination event fields (slots)

Target name	Default setting
msg	<**event_id (translated)**> was found in '<**data_name**>' on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
rm_Object	Data Name : '<**data_name**>' Part name : '<**data_part_name**>'
sesa_RuleDescription	Rule Description : <**data_rule_descr**>
sesa_RuleReason	Reason : <**data_rule_reason**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

RMV_VirusFound

Event criteria

SESA Class Name = "symc_data_virus_incident"

Default destination event fields (slots)

Target name	Default setting
msg	<**event_id (translated)**> : '<**data_rule_reason**>' was found in '<**data_name**>' on <**event_dt_fmt**>. The current status of this data is : <**data_status_id (translated)**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**> : <**event_id (translated)**>
rm_Virus	<**data_rule_reason**>
rm_VirusFileInfected	Data Name : '<**data_name**>' Part name : '<**data_part_name**>'
rm_VirusAction_Desc	Current Data Status : <**data_status_id (translated)**>

SESA_Scan_Start

Event criteria

SESA Class Name = "symc_data_scan"

SESA Property Name : event_id = "112051"

Default destination event fields (slots)

Target name	Default setting
msg	Scan : '<**data_scan_name**>' started on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
sesa_ScanName	<**data_scan_name**>
sesa_ScanType	<**data_scan_type_id (translated)**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

SESA_Scan_End

Event criteria

SESA Class Name = "symc_data_scan"

SESA Property Name : event_id = "112052"

Default destination event fields (slots)

Target name	Default setting
msg	Scan : '<**data_scan_name**>' ended on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
sesa_ScanName	<**data_scan_name**>
sesa_ScanType	<**data_scan_type_id (translated)**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

SESA_Scan_Pause

Event criteria

SESA Class Name = "symc_data_scan"

SESA Property Name : event_id = "112053"

Default destination event fields (slots)

Target name	Default setting
msg	Scan : '<**data_scan_name**>' was paused on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
sesa_ScanName	<**data_scan_name**>
sesa_ScanType	<**data_scan_type_id (translated)**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

SESA_Scan_Resume

Event criteria

SESA Class Name = "symc_data_scan"

SESA Property Name : event_id = "112054"

Default destination event fields (slots)

Target name	Default setting
msg	Scan : '<**data_scan_name**>' resumed on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
sesa_ScanName	<**data_scan_name**>
sesa_ScanType	<**data_scan_type_id (translated)**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

SESA_Scan_Cancel

Event criteria

SESA Class Name = "symc_data_scan"

SESA Property Name : event_id = "112055"

Default destination event fields (slots)

Target name	Default setting
msg	Scan : '<**data_scan_name**>' was canceled on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
sesa_ScanName	<**data_scan_name**>
sesa_ScanType	<**data_scan_type_id (translated)**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

SESA_App_Update_Event

Event criteria

SESA Class Name = "symc_app_update"

Default destination event fields (slots)

Target name	Default setting
msg	Application : '<**product_id (translated)**>' was updated on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_PrevVer	<**prev_version**>
sesa_CurrVer	<**curr_version**>
sesa_EventGuid	<**event_guid**>

RMV_VirusDBUpdated

Event criteria

SESA Class Name = "symc_defupdate"

SESA Property Name : event_id = "92004"

Default destination event fields (slots)

Target name	Default setting
msg	Virus definitions updated on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>

RMV_VirusDBUpdated (failure)

Event criteria

SESA Class Name = "symc_defupdate"

SESA Property Name : event_id = "92054"

Default destination event fields (slots)

Target name	Default setting
msg	Virus definition update failed on <**event_dt_fmt**>.
rm_Result	Failure
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**> : <**event_id (translated)**>

SESA_Defs_Update_Event

Event criteria

SESA Class Name = "symc_defupdate"

Default destination event fields (slots)

Target name	Default setting
msg	<**event_id (translated)**> occurred on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_PrevVer	<**prev_version**>
sesa_CurrVer	<**curr_version**>
sesa_EventGuid	<**event_guid**>

SESA_Config_Update_Event

Event criteria

SESA Class Name = "symc_config_update"

Default destination event fields (slots)

Target name	Default setting
msg	<**event_id (translated)**> occurred on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**> : <**event_id (translated)**>
rm_Object	Config Name : <**config_name**>
sesa_CurrVer	<**config_revision**>
sesa_ProductName	<**product_id (translated)**> : <**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

SESA_Network_Event

Event criteria

SESA Class Name = "symc_network"

Default destination event fields (slots)

Target name	Default setting
msg	<**event_id (translated)**> occurred on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**> : <**event_id (translated)**>
rm_Object	Config Name : <**config_name**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

SESA_Advisory_Malware_Event

Event criteria

SESA Class Name = "symc_advisory_malware"

Default destination event fields (slots)

Target name	Default setting
msg	<**event_id (translated)**> occurred on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

SESA_Activity_Malware_Event

Event criteria

SESA Class Name = "symc_activity_malware"

Default destination event fields (slots)

Target name	Default setting
msg	<**event_id (translated)**> occurred on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

SESA_Event_Generic

Event criteria

<NONE>

Default destination event fields (slots)

Target name	Default setting
msg	<**event_id (translated)**> was found on <**event_dt_fmt**>.
rm_SensorType	SESA Relay for T/EC
rm_SensorHostname	<**sensor_machine**>
rm_SensorIPAddr	<**sensor_machine_ip**>
rm_SourceHostname	<**machine**>
rm_SourceIPAddr	<**machine_ip**>
rm_DestinationHostname	<**machine**>
rm_DestinationIPAddr	<**machine_ip**>
adapter_host	<**sensor_machine**>
rm_Timestamp	<**event_dt_raw**>
severity	<**severity**>
rm_Description	<**event_id (translated)**>
rm_Signature	<**eventclass_id (translated)**>:<**event_id (translated)**>
sesa_ProductName	<**product_id (translated)**>:<**swfeature_id (translated)**>
sesa_EventGuid	<**event_guid**>

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